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| **Topic 2: Functions**  | **Linear Functions and Slopes** |
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| 1. In 2010, the average price of a home in Greenville County was $169,000. By 2019, the average price of a home was $193,000.
	1. Write a linear model for the price of a home, , in Greenville County as a function of the year, . Let correspond to the year 2000.
	2. If this model continues, find the average price a house in Greenville County would be in the year 2030.
 | (3 marks)(2 marks) |
| Mark scheme:1. or Attempt to find the y-intercept or use point slope of an equation. One possible model:

1. Using for the year 2030:
 | (M1)(M1)(A1)(M1)(A1) |